

## National Functional Guidelines Report # 16

11:02 Wed, Dec 6, 2006

Lab MITKEM (Mitekem Corporation) SDG Y3059 Case 35897 Contract EPW05030 Region 9 DDTID 33112

**Initial Calibration Data Summary****A - RRF & CF Multi-Point Report**

VOA Low Med 1A Initial Calibration InstrumentID=V1 Column=DB-624 HeatedPurge=Yes V110440.D

Compound	Peak ID	RRF-005 VSTD0051T V110443.D 11/04/2006 12:32:00	RRF-010 VSTD0101T V110442.D 11/04/2006 12:04:00	RRF-050 VSTD0501T V110441.D 11/04/2006 11:14:00	RRF-100 VSTD1001T V110445.D 11/04/2006 13:30:00	RRF-200 VSTD2001T V110444.D 11/04/2006 13:03:00	Lab Reported		NFG Calculated	
		RRF/CF	RRF/CF	RRF/CF	RRF/CF	RRF/CF	Avg RRF/CF	%RSD	Avg RRF/CF	%RSD
Dichlorodifluoromethane	85	0.135	0.128	0.136	0.106	0.153	0.132	12.7	0.132	
Chloromethane	50	0.275	0.240	0.239	0.221	0.270	0.249	9.1	0.249	
Vinyl chloride	62	0.228	0.235	0.231	0.210	0.270	0.235	9.4	0.235	
Bromomethane	94	0.193	0.183	0.136	0.099	0.068	0.136	39.2	0.136	
Chloroethane	64	0.171	0.173	0.151	0.132	0.112	0.148	17.5	0.148	
Trichlorofluoromethane	101	0.278	0.281	0.279	0.236	0.324	0.279	11.3	0.279	
1,1-Dichloroethene	96	0.240	0.249	0.234	0.223	0.277	0.245	8.4	0.245	
1,1,2-Trichloro-1,2,2-trifluoroethane	101	0.281	0.259	0.263	0.231	0.322	0.271	12.3	0.271	
Acetone	43	0.195	0.210	0.173	0.147	0.153	0.175	15.4	0.175	
Carbon disulfide	76	0.965	0.970	0.976	0.861	1.089	0.972	8.3	0.972	
Methyl acetate	43	0.292	0.310	0.352	0.251	0.265	0.294	13.5	0.294	
Methylene chloride	84	0.314	0.296	0.346	0.282	0.313	0.310	7.7	0.310	
trans-1,2-Dichloroethene	96	0.298	0.282	0.326	0.306	0.365	0.315	10.1	0.315	
Methyl tert-butyl ether	73	0.863	0.775	0.991	0.935	0.994	0.912	10.2	0.912	
1,1-Dichloroethane	63	0.683	0.672	0.664	0.635	0.732	0.677	5.2	0.677	
cis-1,2-Dichloroethene	96	0.359	0.354	0.359	0.344	0.390	0.361	4.7	0.361	
2-Butanone	43	0.308	0.353	0.298	0.265	0.278	0.300	11.3	0.300	
Bromochloromethane	128	0.188	0.186	0.197	0.190	0.206	0.193	4.3	0.193	
Chloroform	83	0.623	0.616	0.601	0.563	0.619	0.605	4.1	0.605	
1,1,1-Trichloroethane	97	0.551	0.549	0.543	0.480	0.603	0.545	8.0	0.545	
Cyclohexane	56	0.774	0.772	0.745	0.641	0.885	0.763	11.4	0.763	
Carbon tetrachloride	117	0.484	0.488	0.481	0.422	0.553	0.486	9.6	0.486	
Benzene	78	1.599	1.556	1.475	1.397	1.596	1.525	5.7	1.525	

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Compound	Peak ID	RRF/CF	RRF/CF	RRF/CF	RRF/CF	RRF/CF	Avg RRF/CF	%RSD	Avg RRF/CF	%RSD
1,2-Dichloroethane	62	0.495	0.507	0.499	0.449	0.452	0.480	5.8	0.480	
1,4-Dioxane	88	0.003	0.004	0.004	0.004	0.004	0.004	8.4	0.004	

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**Initial Calibration Data Summary****A - RRF & CF Multi-Point Report**

VOA Low Med 1A Initial Calibration InstrumentID=V2 Column=DB-624 HeatedPurge=No V2J0390.D

Compound	Peak ID	RRF-005 VSTD0052Y V2J0393.D 11/13/2006 13:21:00	RRF-010 VSTD0102Y V2J0392.D 11/13/2006 12:53:00	RRF-050 VSTD0502Y V2J0391.D 11/13/2006 12:25:00	RRF-100 VSTD1002Y V2J0395.D 11/13/2006 14:17:00	RRF-200 VSTD2002Y V2J0394.D 11/13/2006 13:49:00	Lab Reported		NFG Calculated	
		RRF/CF	RRF/CF	RRF/CF	RRF/CF	RRF/CF	Avg RRF/CF	%RSD	Avg RRF/CF	%RSD
Dichlorodifluoromethane	85	0.139	0.151	0.160	0.140	0.170	0.152	8.7	0.152	
Chloromethane	50	0.309	0.336	0.371	0.340	0.358	0.343	6.9	0.343	
Vinyl chloride	62	0.295	0.337	0.361	0.329	0.341	0.333	7.2	0.333	
Bromomethane	94	0.177	0.186	0.198	0.108	0.074	0.149	36.5	0.149	
Chloroethane	64	0.190	0.173	0.206	0.143	0.129	0.168	18.9	0.168	
Trichlorofluoromethane	101	0.415	0.455	0.469	0.396	0.434	0.434	6.8	0.434	
1,1-Dichloroethene	96	0.293	0.314	0.338	0.297	0.292	0.307	6.4	0.307	
1,1,2-Trichloro-1,2,2-trifluoroethane	101	0.233	0.315	0.320	0.259	0.322	0.290	14.2	0.290	
Acetone	43	0.225	0.229	0.241	0.193	0.188	0.215	10.8	0.215	
Carbon disulfide	76	1.139	1.248	1.419	1.244	1.228	1.256	8.1	1.256	
Methyl acetate	43	0.451	0.412	0.461	0.395	0.379	0.420	8.3	0.420	
Methylene chloride	84	0.371	0.390	0.420	0.400	0.388	0.394	4.5	0.394	
trans-1,2-Dichloroethene	96	0.308	0.328	0.359	0.368	0.366	0.346	7.7	0.346	
Methyl tert-butyl ether	73	0.877	0.951	1.082	1.106	1.079	1.019	9.8	1.019	
1,1-Dichloroethane	63	0.708	0.759	0.821	0.800	0.792	0.776	5.7	0.776	
cis-1,2-Dichloroethene	96	0.302	0.331	0.369	0.380	0.371	0.350	9.4	0.350	
2-Butanone	43	0.283	0.313	0.328	0.307	0.296	0.306	5.6	0.306	
Bromochloromethane	128	0.155	0.169	0.190	0.191	0.186	0.178	8.8	0.178	
Chloroform	83	0.658	0.669	0.738	0.704	0.711	0.696	4.7	0.696	
1,1,1-Trichloroethane	97	0.532	0.549	0.584	0.581	0.572	0.563	4.0	0.563	
Cyclohexane	56	0.652	0.730	0.766	0.730	0.815	0.738	8.1	0.738	
Carbon tetrachloride	117	0.417	0.456	0.476	0.479	0.483	0.462	5.9	0.462	
Benzene	78	1.555	1.666	1.787	1.788	1.702	1.700	5.7	1.700	

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VOA Low Med 1A Initial Calibration InstrumentID=V2 Column=DB-624 HeatedPurge=No V2J0390.D

		RRF-005 VSTD0052Y V2J0393.D 11/13/2006 13:21:00	RRF-010 VSTD0102Y V2J0392.D 11/13/2006 12:53:00	RRF-050 VSTD0502Y V2J0391.D 11/13/2006 12:25:00	RRF-100 VSTD1002Y V2J0395.D 11/13/2006 14:17:00	RRF-200 VSTD2002Y V2J0394.D 11/13/2006 13:49:00	Lab Reported		NFG Calculated	
Compound	Peak ID	RRF/CF	RRF/CF	RRF/CF	RRF/CF	RRF/CF	Avg RRF/CF	%RSD	Avg RRF/CF	%RSD
1,2-Dichloroethane	62	0.504	0.551	0.606	0.571	0.578	0.562	6.8	0.562	
1,4-Dioxane	88	0.002	0.003	0.003	0.003	0.003	0.003	13.7	0.003	

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**Initial Calibration Data Summary****A - RRF & CF Multi-Point Report**

VOA Low Med 1B Initial Calibration InstrumentID=V1 Column=DB-624 HeatedPurge=Yes V110440.D

		RRF-005 VSTD0051T V110443.D 11/04/2006 12:32:00	RRF-010 VSTD0101T V110442.D 11/04/2006 12:04:00	RRF-050 VSTD0501T V110441.D 11/04/2006 11:14:00	RRF-100 VSTD1001T V110445.D 11/04/2006 13:30:00	RRF-200 VSTD2001T V110444.D 11/04/2006 13:03:00	Lab Reported		NFG Calculated	
Compound	Peak ID	RRF/CF	RRF/CF	RRF/CF	RRF/CF	RRF/CF	Avg RRF/CF	%RSD	Avg RRF/CF	%RSD
Trichloroethene	95	0.406	0.396	0.364	0.348	0.426	0.388	8.2	0.388	
Methylcyclohexane	83	0.613	0.596	0.600	0.512	0.728	0.610	12.7	0.610	
1,2-Dichloropropane	63	0.454	0.450	0.431	0.410	0.458	0.441	4.5	0.441	
Bromodichloromethane	83	0.543	0.525	0.534	0.492	0.556	0.530	4.6	0.530	
cis-1,3-Dichloropropene	75	0.664	0.680	0.695	0.653	0.727	0.684	4.2	0.684	
4-Methyl-2-pentanone	43	0.546	0.605	0.548	0.495	0.534	0.546	7.3	0.546	
Toluene	91	1.535	1.476	1.401	1.331	1.549	1.458	6.3	1.458	
trans-1,3-Dichloropropene	75	0.553	0.579	0.623	0.562	0.622	0.588	5.6	0.588	
1,1,2-Trichloroethane	97	0.322	0.328	0.308	0.298	0.328	0.317	4.2	0.317	
Tetrachloroethene	164	0.294	0.295	0.282	0.262	0.340	0.295	9.6	0.295	
2-Hexanone	43	0.468	0.513	0.472	0.420	0.453	0.465	7.2	0.465	
Dibromochloromethane	129	0.400	0.390	0.411	0.386	0.438	0.405	5.2	0.405	
1,2-Dibromoethane	107	0.366	0.385	0.377	0.352	0.391	0.374	4.2	0.374	
Chlorobenzene	112	1.036	1.007	0.984	0.933	1.083	1.009	5.6	1.009	
Ethylbenzene	91	1.667	1.614	1.572	1.468	1.716	1.608	5.9	1.608	
o-Xylene	106	0.598	0.621	0.605	0.568	0.669	0.612	6.1	0.612	
m,p-Xylene	106	0.659	0.639	0.642	0.581	0.703	0.645	6.8	0.645	
Styrene	104	0.923	0.947	1.013	0.955	1.079	0.984	6.4	0.984	
Bromoform	173	0.512	0.600	0.544	0.546	0.603	0.561	7.0	0.561	
Isopropylbenzene	105	1.541	1.561	1.551	1.407	1.678	1.548	6.2	1.548	
1,1,2,2-Tetrachloroethane	83	0.459	0.480	0.448	0.431	0.468	0.457	4.1	0.457	
1,3-Dichlorobenzene	146	1.604	1.589	1.524	1.500	1.701	1.584	4.9	1.584	
1,4-Dichlorobenzene	146	1.693	1.709	1.598	1.541	1.751	1.658	5.2	1.658	
1,2-Dichlorobenzene	146	1.534	1.478	1.450	1.425	1.592	1.496	4.5	1.496	

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Compound	Peak ID	RRF/CF	RRF/CF	RRF/CF	RRF/CF	RRF/CF	Avg RRF/CF	%RSD	Avg RRF/CF	%RSD
1,2-Dibromo-3-chloropropane	75	0.150	0.184	0.162	0.145	0.154	0.159	9.7	0.159	
1,2,4-Trichlorobenzene	180	0.998	0.937	1.008	0.919	1.062	0.985	5.9	0.985	
1,2,3-Trichlorobenzene	180	0.867	0.887	0.787	0.827	0.923	0.858	6.1	0.858	

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Compound	Peak ID	RRF/CF	RRF/CF	RRF/CF	RRF/CF	RRF/CF	Avg RRF/CF	%RSD	Avg RRF/CF	%RSD
Trichloroethene	95	0.363	0.390	0.408	0.415	0.407	0.397	5.3	0.397	
Methylcyclohexane	83	0.454	0.532	0.543	0.495	0.626	0.530	12.1	0.530	
1,2-Dichloropropane	63	0.478	0.513	0.536	0.533	0.516	0.515	4.4	0.515	
Bromodichloromethane	83	0.505	0.561	0.597	0.601	0.588	0.570	7.0	0.570	
cis-1,3-Dichloropropene	75	0.649	0.714	0.801	0.813	0.782	0.752	9.2	0.752	
4-Methyl-2-pentanone	43	0.501	0.573	0.637	0.634	0.590	0.587	9.4	0.587	
Toluene	91	1.333	1.477	1.571	1.541	1.505	1.485	6.2	1.485	
trans-1,3-Dichloropropene	75	0.564	0.654	0.740	0.723	0.714	0.679	10.6	0.679	
1,1,2-Trichloroethane	97	0.305	0.330	0.346	0.342	0.336	0.332	4.8	0.332	
Tetrachloroethene	164	0.270	0.277	0.299	0.309	0.314	0.294	6.7	0.294	
2-Hexanone	43	0.399	0.461	0.500	0.485	0.460	0.461	8.4	0.461	
Dibromochloromethane	129	0.294	0.347	0.391	0.401	0.402	0.367	12.7	0.367	
1,2-Dibromoethane	107	0.293	0.329	0.362	0.379	0.373	0.347	10.4	0.347	
Chlorobenzene	112	0.855	0.908	0.953	0.963	0.934	0.923	4.7	0.923	
Ethylbenzene	91	1.402	1.558	1.770	1.768	1.706	1.641	9.7	1.641	
o-Xylene	106	0.438	0.507	0.595	0.609	0.615	0.553	14.1	0.553	
m,p-Xylene	106	0.460	0.520	0.613	0.626	0.633	0.570	13.5	0.570	
Styrene	104	0.710	0.865	1.000	1.018	0.991	0.917	14.2	0.917	
Bromoform	173	0.415	0.424	0.507	0.528	0.513	0.477	11.2	0.477	
Isopropylbenzene	105	1.044	1.261	1.513	1.505	1.521	1.369	15.5	1.369	
1,1,2,2-Tetrachloroethane	83	0.456	0.515	0.541	0.537	0.529	0.515	6.8	0.515	
1,3-Dichlorobenzene	146	1.068	1.281	1.393	1.423	1.402	1.313	11.3	1.313	
1,4-Dichlorobenzene	146	1.358	1.443	1.513	1.527	1.456	1.460	4.6	1.460	
1,2-Dichlorobenzene	146	1.172	1.293	1.379	1.395	1.340	1.316	6.8	1.316	

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Compound	Peak ID	RRF/CF	RRF/CF	RRF/CF	RRF/CF	RRF/CF	Avg RRF/CF	%RSD	Avg RRF/CF	%RSD
1,2-Dibromo-3-chloropropane	75	0.125	0.129	0.153	0.154	0.151	0.143	10.1	0.143	
1,2,4-Trichlorobenzene	180	0.609	0.750	0.858	0.941	0.908	0.813	16.6	0.813	
1,2,3-Trichlorobenzene	180	0.634	0.713	0.775	0.864	0.816	0.760	11.8	0.760	

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**Initial Calibration Data Summary****A - RRF & CF Multi-Point Report**

VOA Low Med 6C Initial Calibration InstrumentID=V1 Column=DB-624 HeatedPurge=Yes V110440.D

		RRF-005 VSTD0051T V110443.D 11/04/2006 12:32:00	RRF-010 VSTD0101T V110442.D 11/04/2006 12:04:00	RRF-050 VSTD0501T V110441.D 11/04/2006 11:14:00	RRF-100 VSTD1001T V110445.D 11/04/2006 13:30:00	RRF-200 VSTD2001T V110444.D 11/04/2006 13:03:00	Lab Reported		NFG Calculated	
Compound	Peak ID	RRF/CF	RRF/CF	RRF/CF	RRF/CF	RRF/CF	Avg RRF/CF	%RSD	Avg RRF/CF	%RSD
Vinyl chloride-d3	65	0.300	0.316	0.333	0.301	0.373	0.325	9.3	0.325	
Chloroethane-d5	69	0.231	0.241	0.227	0.189	0.132	0.204	22.0	0.204	
1,1-Dichloroethene-d2	100	0.162	0.169	0.171	0.162	0.202	0.173	9.6	0.173	
2-Butanone-d5	46	0.288	0.321	0.303	0.260	0.284	0.291	7.9	0.291	
Chloroform-d	84	0.584	0.614	0.618	0.573	0.631	0.604	4.1	0.604	
1,2-Dichloroethane-d4	65	0.362	0.387	0.380	0.357	0.372	0.372	3.4	0.372	
Benzene-d6	84	1.354	1.387	1.391	1.331	1.511	1.395	5.0	1.395	
1,2-Dichloropropane-d6	67	0.478	0.485	0.486	0.475	0.533	0.491	4.8	0.491	
Toluene-d8	98	1.155	1.184	1.189	1.124	1.286	1.188	5.1	1.188	
trans-1,3-Dichloropropene-d4	79	0.421	0.453	0.478	0.442	0.492	0.457	6.2	0.457	
2-Hexanone-d5	63	0.157	0.185	0.210	0.152	0.174	0.176	13.3	0.176	
1,4-Dioxane-d8	96	0.004	0.004	0.004	0.003	0.004	0.004	3.7	0.004	
1,1,2,2-Tetrachloroethane-d2	84	0.455	0.473	0.446	0.422	0.467	0.452	4.4	0.452	
1,2-Dichlorobenzene-d4	152	0.885	0.885	0.913	0.895	1.001	0.916	5.3	0.916	

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**Initial Calibration Data Summary****A - RRF & CF Multi-Point Report**

VOA Low Med 6C Initial Calibration InstrumentID=V2 Column=DB-624 HeatedPurge=No V2J0390.D

		RRF-005 VSTD0052Y V2J0393.D 11/13/2006 13:21:00	RRF-010 VSTD0102Y V2J0392.D 11/13/2006 12:53:00	RRF-050 VSTD0502Y V2J0391.D 11/13/2006 12:25:00	RRF-100 VSTD1002Y V2J0395.D 11/13/2006 14:17:00	RRF-200 VSTD2002Y V2J0394.D 11/13/2006 13:49:00	Lab Reported		NFG Calculated	
Compound	Peak ID	RRF/CF	RRF/CF	RRF/CF	RRF/CF	RRF/CF	Avg RRF/CF	%RSD	Avg RRF/CF	%RSD
Vinyl chloride-d3	65	0.599	0.650	0.678	0.619	0.644	0.638	4.7	0.638	
Chloroethane-d5	69	0.357	0.360	0.387	0.223	0.211	0.308	27.1	0.308	
1,1-Dichloroethene-d2	100	0.200	0.233	0.245	0.216	0.217	0.222	7.7	0.222	
2-Butanone-d5	46	0.359	0.416	0.442	0.416	0.400	0.406	7.6	0.406	
Chloroform-d	84	0.695	0.729	0.791	0.763	0.775	0.750	5.1	0.750	
1,2-Dichloroethane-d4	65	0.459	0.481	0.499	0.475	0.483	0.480	3.0	0.480	
Benzene-d6	84	1.578	1.620	1.694	1.711	1.647	1.650	3.3	1.650	
1,2-Dichloropropane-d6	67	0.569	0.627	0.627	0.635	0.609	0.613	4.3	0.613	
Toluene-d8	98	1.125	1.237	1.316	1.333	1.282	1.259	6.6	1.259	
trans-1,3-Dichloropropene-d4	79	0.467	0.533	0.579	0.588	0.586	0.551	9.4	0.551	
2-Hexanone-d5	63	0.188	0.244	0.289	0.275	0.275	0.254	16.0	0.254	
1,4-Dioxane-d8	96	0.002	0.003	0.002	0.004	0.003	0.003	18.5	0.003	
1,1,2,2-Tetrachloroethane-d2	84	0.523	0.546	0.574	0.562	0.550	0.551	3.5	0.551	
1,2-Dichlorobenzene-d4	152	0.754	0.879	0.918	0.941	0.922	0.883	8.6	0.883	

## National Functional Guidelines Report # 16

Lab MITKEM (Mitekem Corporation) SDG Y3059 Case 35897 Contract EPW05030 Region 9 DDTID 33112

**Initial Calibration Data Summary****A - RRF & CF Multi-Point Report**

VOA Trace 1A Initial Calibration InstrumentID=V2 Column=DB-624 HeatedPurge=No V2J0230.D

Compound	Peak ID	RRF-05 VSTD0.52P V2J0234.D 11/10/2006 06:13:00	RRF-001 VSTD0012P V2J0233.D 11/10/2006 05:42:00	RRF-005 VSTD0052P V2J0231.D 11/10/2006 04:41:00	RRF-010 VSTD0102P V2J0236.D 11/10/2006 07:13:00	RRF-020 VSTD0202P V2J0235.D 11/10/2006 06:43:00	Lab Reported		NFG Calculated	
		RRF/CF	RRF/CF	RRF/CF	RRF/CF	RRF/CF	Avg RRF/CF	%RSD	Avg RRF/CF	%RSD
Dichlorodifluoromethane	85	0.163	0.164	0.180	0.148	0.182	0.167	8.3	0.167	
Chloromethane	50	0.374	0.363	0.318	0.296	0.327	0.336	9.6	0.336	
Vinyl chloride	62	0.374	0.334	0.324	0.298	0.326	0.331	8.3	0.331	
Bromomethane	94	0.288	0.249	0.205	0.166	0.111	0.204	33.9	0.204	
Chloroethane	64	0.235	0.211	0.210	0.168	0.160	0.197	16.0	0.197	
Trichlorofluoromethane	101	0.467	0.454	0.448	0.392	0.438	0.440	6.6	0.440	
1,1-Dichloroethene	96	0.356	0.333	0.319	0.285	0.304	0.319	8.5	0.319	
1,1,2-Trichloro-1,2,2-trifluoroethane	101	0.386	0.344	0.369	0.295	0.354	0.350	9.8	0.350	
Acetone	43	0.050	0.054	0.045	0.042	0.042	0.046	11.3	0.046	
Carbon disulfide	76	1.300	1.294	1.283	1.133	1.207	1.243	5.8	1.243	
Methyl acetate	43	0.163	0.162	0.087	0.077	0.080	0.114	39.0	0.114	
Methylene chloride	84	0.417	0.379	0.323	0.298	0.310	0.345	14.6	0.345	
trans-1,2-Dichloroethene	96	0.403	0.387	0.394	0.369	0.395	0.390	3.3	0.390	
Methyl tert-butyl ether	73	0.449	0.441	0.452	0.442	0.465	0.450	2.2	0.450	
1,1-Dichloroethane	63	0.893	0.857	0.847	0.767	0.817	0.836	5.6	0.836	
cis-1,2-Dichloroethene	96	0.375	0.353	0.363	0.343	0.371	0.361	3.7	0.361	
2-Butanone	43	0.083	0.080	0.076	0.072	0.074	0.077	5.5	0.077	
Bromochloromethane	128	0.118	0.113	0.115	0.106	0.112	0.113	4.0	0.113	
Chloroform	83	0.738	0.689	0.661	0.616	0.645	0.670	6.9	0.670	
1,1,1-Trichloroethane	97	0.733	0.748	0.735	0.658	0.719	0.719	4.9	0.719	
Cyclohexane	56	1.109	1.150	1.213	0.995	1.189	1.131	7.6	1.131	
Carbon tetrachloride	117	0.572	0.582	0.593	0.537	0.601	0.577	4.3	0.577	
Benzene	78	2.351	2.337	2.262	1.986	2.098	2.207	7.2	2.207	

## National Functional Guidelines Report # 16

11:02 Wed, Dec 6, 2006

Lab MITKEM (Mitekem Corporation) SDG Y3059 Case 35897 Contract EPW05030 Region 9 DDTID 33112

***Initial Calibration Data Summary******A - RRF & CF Multi-Point Report***

VOA Trace 1A Initial Calibration InstrumentID=V2 Column=DB-624 HeatedPurge=No V2J0230.D

		RRF-0.5 VSTD0.52P V2J0234.D 11/10/2006 06:13:00	RRF-001 VSTD0012P V2J0233.D 11/10/2006 05:42:00	RRF-005 VSTD0052P V2J0231.D 11/10/2006 04:41:00	RRF-010 VSTD0102P V2J0236.D 11/10/2006 07:13:00	RRF-020 VSTD0202P V2J0235.D 11/10/2006 06:43:00	Lab Reported		NFG Calculated	
Compound	Peak ID	RRF/CF	RRF/CF	RRF/CF	RRF/CF	RRF/CF	Avg RRF/CF	%RSD	Avg RRF/CF	%RSD
1,2-Dichloroethane	62	0.311	0.305	0.295	0.272	0.298	0.296	4.9	0.296	
1,4-Dioxane	88	0.000	0.001	0.001	0.001	0.001	0.001	21.3	0.001	

## National Functional Guidelines Report # 16

11:02 Wed, Dec 6, 2006

Lab MITKEM (Mitekem Corporation) SDG Y3059 Case 35897 Contract EPW05030 Region 9 DDTID 33112

**Initial Calibration Data Summary****A - RRF & CF Multi-Point Report**

VOA Trace 1B Initial Calibration InstrumentID=V2 Column=DB-624 HeatedPurge=No V2J0230.D

		RRF-0.5 VSTD0.52P V2J0234.D 11/10/2006 06:13:00	RRF-001 VSTD0012P V2J0233.D 11/10/2006 05:42:00	RRF-005 VSTD0052P V2J0231.D 11/10/2006 04:41:00	RRF-010 VSTD0102P V2J0236.D 11/10/2006 07:13:00	RRF-020 VSTD0202P V2J0235.D 11/10/2006 06:43:00	Lab Reported		NFG Calculated	
Compound	Peak ID	RRF/CF	RRF/CF	RRF/CF	RRF/CF	RRF/CF	Avg RRF/CF	%RSD	Avg RRF/CF	%RSD
Trichloroethene	95	0.549	0.557	0.545	0.507	0.546	0.541	3.6	0.541	
Methylcyclohexane	83	0.848	0.869	0.932	0.752	0.934	0.867	8.6	0.867	
1,2-Dichloropropane	63	0.539	0.548	0.546	0.483	0.518	0.527	5.2	0.527	
Bromodichloromethane	83	0.475	0.496	0.491	0.449	0.488	0.480	3.9	0.480	
cis-1,3-Dichloropropene	75	0.535	0.584	0.605	0.553	0.607	0.577	5.5	0.577	
4-Methyl-2-pentanone	43	0.181	0.191	0.198	0.179	0.182	0.186	4.3	0.186	
Toluene	91	1.961	2.032	2.002	1.787	1.858	1.928	5.3	1.928	
trans-1,3-Dichloropropene	75	0.334	0.359	0.404	0.380	0.411	0.378	8.5	0.378	
1,1,2-Trichloroethane	97	0.196	0.189	0.175	0.167	0.181	0.181	6.4	0.181	
Tetrachloroethene	164	0.416	0.410	0.397	0.361	0.400	0.397	5.4	0.397	
2-Hexanone	43	0.136	0.143	0.146	0.136	0.138	0.140	3.4	0.140	
Dibromochloromethane	129	0.189	0.209	0.206	0.204	0.224	0.206	6.2	0.206	
1,2-Dibromoethane	107	0.149	0.170	0.169	0.157	0.172	0.163	6.1	0.163	
Chlorobenzene	112	1.127	1.104	1.043	0.948	1.007	1.046	6.9	1.046	
Ethylbenzene	91	2.088	2.142	2.223	1.979	2.086	2.104	4.2	2.104	
o-Xylene	106	0.596	0.625	0.712	0.646	0.704	0.657	7.7	0.657	
m,p-Xylene	106	0.705	0.739	0.782	0.725	0.781	0.746	4.6	0.746	
Styrene	104	0.824	0.894	1.013	0.926	0.995	0.930	8.3	0.930	
Bromoform	173	0.228	0.209	0.228	0.220	0.246	0.226	5.9	0.226	
Isopropylbenzene	105	1.623	1.776	1.938	1.744	1.833	1.783	6.5	1.783	
1,1,2,2-Tetrachloroethane	83	0.190	0.185	0.198	0.171	0.183	0.185	5.2	0.185	
1,3-Dichlorobenzene	146	1.758	1.605	1.664	1.543	1.631	1.640	4.8	1.640	
1,4-Dichlorobenzene	146	1.792	1.694	1.635	1.498	1.591	1.642	6.7	1.642	
1,2-Dichlorobenzene	146	1.303	1.232	1.286	1.160	1.245	1.245	4.5	1.245	

## National Functional Guidelines Report # 16

11:02 Wed, Dec 6, 2006

Lab MITKEM (Mitekem Corporation) SDG Y3059 Case 35897 Contract EPW05030 Region 9 DDTID 33112

***Initial Calibration Data Summary******A - RRF & CF Multi-Point Report***

VOA Trace 1B Initial Calibration InstrumentID=V2 Column=DB-624 HeatedPurge=No V2J0230.D

		RRF-0.5 VSTD0.52P V2J0234.D 11/10/2006 06:13:00	RRF-001 VSTD0012P V2J0233.D 11/10/2006 05:42:00	RRF-005 VSTD0052P V2J0231.D 11/10/2006 04:41:00	RRF-010 VSTD0102P V2J0236.D 11/10/2006 07:13:00	RRF-020 VSTD0202P V2J0235.D 11/10/2006 06:43:00	Lab Reported		NFG Calculated	
Compound	Peak ID	RRF/CF	RRF/CF	RRF/CF	RRF/CF	RRF/CF	Avg RRF/CF	%RSD	Avg RRF/CF	%RSD
1,2-Dibromo-3-chloropropane	75	0.040	0.053	0.047	0.044	0.048	0.046	9.7	0.046	
1,2,4-Trichlorobenzene	180	0.751	0.757	0.770	0.759	0.824	0.772	3.8	0.772	
1,2,3-Trichlorobenzene	180	0.530	0.521	0.569	0.550	0.583	0.550	4.7	0.550	

## National Functional Guidelines Report # 16

11:02 Wed, Dec 6, 2006

Lab MITKEM (Mitekem Corporation) SDG Y3059 Case 35897 Contract EPW05030 Region 9 DDTID 33112

**Initial Calibration Data Summary****A - RRF & CF Multi-Point Report**

VOA Trace 6C Initial Calibration InstrumentID=V2 Column=DB-624 HeatedPurge=No V2J0230.D

		RRF-0.5 VSTD0.52P V2J0234.D 11/10/2006 06:13:00	RRF-001 VSTD0012P V2J0233.D 11/10/2006 05:42:00	RRF-005 VSTD0052P V2J0231.D 11/10/2006 04:41:00	RRF-010 VSTD0102P V2J0236.D 11/10/2006 07:13:00	RRF-020 VSTD0202P V2J0235.D 11/10/2006 06:43:00	Lab Reported		NFG Calculated	
Compound	Peak ID	RRF/CF	RRF/CF	RRF/CF	RRF/CF	RRF/CF	Avg RRF/CF	%RSD	Avg RRF/CF	%RSD
Vinyl chloride-d3	65	0.726	0.636	0.644	0.572	0.646	0.645	8.5	0.645	
Chloroethane-d5	69	0.424	0.401	0.389	0.325	0.300	0.368	14.4	0.368	
1,1-Dichloroethene-d2	63	0.872	0.825	0.776	0.682	0.743	0.780	9.4	0.780	
2-Butanone-d5	46	0.094	0.096	0.092	0.092	0.097	0.094	2.2	0.094	
Chloroform-d	84	0.694	0.677	0.660	0.610	0.679	0.664	4.9	0.664	
1,2-Dichloroethane-d4	65	0.254	0.230	0.234	0.214	0.239	0.234	6.1	0.234	
Benzene-d6	84	2.077	2.051	2.003	1.809	1.982	1.984	5.3	1.984	
1,2-Dichloropropane-d6	67	0.648	0.634	0.613	0.536	0.599	0.606	7.2	0.606	
Toluene-d8	98	1.548	1.598	1.558	1.426	1.558	1.538	4.2	1.538	
trans-1,3-Dichloropropene-d4	79	0.282	0.270	0.294	0.283	0.326	0.291	7.3	0.291	
2-Hexanone-d5	63	0.063	0.074	0.087	0.085	0.088	0.079	13.3	0.079	
1,4-Dioxane-d8	96	0.001	0.000	0.001	0.001	0.001	0.001	26.1	0.001	
1,1,2,2-Tetrachloroethane-d2	84	0.192	0.193	0.198	0.177	0.200	0.192	4.7	0.192	
1,2-Dichlorobenzene-d4	152	0.843	0.758	0.785	0.731	0.815	0.786	5.6	0.786	